



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 3/19/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12067A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzner

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12067A

Reported: 03/19/12 09:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
FB19	1203018-01	Water	03/05/12 09:36	03/07/12 10:00
HW60	1203018-02	Water	03/05/12 12:25	03/07/12 10:00
TB49	1203018-03	Water	03/05/12 07:15	03/07/12 10:00
HW56	1203018-04	Water	03/05/12 16:54	03/07/12 10:00
TB50	1203018-05	Water	03/05/12 10:00	03/07/12 10:00
FB20	1203020-01	Water	03/06/12 14:00	03/08/12 09:50
HW61	1203020-02	Water	03/06/12 15:42	03/08/12 09:50
HW61-P	1203020-03	Water	03/06/12 16:00	03/08/12 09:50
HW61z	1203020-04	Water	03/06/12 15:42	03/08/12 09:50
TB51	1203020-05	Water	03/06/12 07:05	03/08/12 09:50
FB21	1203024-01	Water	03/08/12 13:38	03/09/12 10:15
HW50	1203024-02	Water	03/08/12 15:09	03/09/12 10:15
TB52	1203024-03	Water	03/08/12 10:35	03/09/12 10:15

SDG ID 12067A

Purgeable Petroleum Hydrocarbons:

Samples in work order 1203024 (received on 3/9/12) were at received at 8 degrees C. This is above the recommended temperature range of 0 to 6 degrees C. No significant impact on the sample results is expected.

Work Order(s)

1203018

1203020

1203024



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1203018-01						Water - Sampled: 03/05/12 09:36			
Sample ID: FB19						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98 %		76-121%		"	"	"	
Lab ID: 1203018-02						Water - Sampled: 03/05/12 12:25			
Sample ID: HW60						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98 %		76-121%		"	"	"	
Lab ID: 1203018-03						Water - Sampled: 03/05/12 07:15			
Sample ID: TB49						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97 %		76-121%		"	"	"	
Lab ID: 1203018-04						Water - Sampled: 03/05/12 16:54			
Sample ID: HW56						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98 %		76-121%		"	"	"	
Lab ID: 1203018-05						Water - Sampled: 03/05/12 10:00			
Sample ID: TB50						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99 %		76-121%		"	"	"	
Lab ID: 1203020-01						Water - Sampled: 03/06/12 14:00			
Sample ID: FB20						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98 %		76-121%		"	"	"	
Lab ID: 1203020-02						Water - Sampled: 03/06/12 15:42			
Sample ID: HW61						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		98 %		76-121%		"	"	"	
Lab ID: 1203020-03						Water - Sampled: 03/06/12 16:00			
Sample ID: HW61-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92 %		76-121%		"	"	"	
Lab ID: 1203020-04						Water - Sampled: 03/06/12 15:42			
Sample ID: HW61z						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2C0041	03/08/12	03/08/12	8015C/SOP380



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Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch
100 Gypsum Road
Stroudsburg PA, 18360

SDG: 12067A
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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1203020-04						Water - Sampled: 03/06/12 15:42			
Sample ID: HW61z						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
<i>Surrogate: a,a,a-Trifluorotoluene</i>						B2C0041	03/08/12	03/08/12	
Lab ID: 1203020-05						Water - Sampled: 03/06/12 07:05			
Sample ID: TB51						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline						B2C0041	03/08/12	03/08/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									
Lab ID: 1203024-01						Water - Sampled: 03/08/12 13:38			
Sample ID: FB21						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline						B2C0060	03/13/12	03/13/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									
Lab ID: 1203024-02						Water - Sampled: 03/08/12 15:09			
Sample ID: HW50						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline						B2C0060	03/13/12	03/13/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									
Lab ID: 1203024-03						Water - Sampled: 03/08/12 10:35			
Sample ID: TB52						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline						B2C0060	03/13/12	03/13/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B2C0041 - 5030 P&T TPH-G - TPH - Purgeable

Prepared & Analyzed: 03/08/12

Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control

Blank (B2C0041-BLK1)

TPH as Gasoline	ND	U		50 ug/L						
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Surrogate: a,a,a-Trifluorotoluene	124			"	125		99	76-121		
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LCS (B2C0041-BS1)

TPH as Gasoline	495			50 ug/L	500		99	75-114		200
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Surrogate: a,a,a-Trifluorotoluene	124			"	125		99	76-121		
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Matrix Spike (B2C0041-MS2)

Source: 1203018-04

TPH as Gasoline	550			50 ug/L	500	ND	110	71-114		11
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Surrogate: a,a,a-Trifluorotoluene	121			"	125		97	76-121		
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Matrix Spike Dup (B2C0041-MSD2)

Source: 1203018-04

TPH as Gasoline	553			50 ug/L	500	ND	111	71-114	0.6	11
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Surrogate: a,a,a-Trifluorotoluene	122			"	125		98	76-121		
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Batch B2C0060 - 5030 P&T TPH-G - TPH - Purgeable

Prepared & Analyzed: 03/13/12

Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control

Blank (B2C0060-BLK1)

TPH as Gasoline	ND	U		50 ug/L						
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Surrogate: a,a,a-Trifluorotoluene	119			"	125		95	76-121		
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LCS (B2C0060-BS1)

TPH as Gasoline	488			50 ug/L	500		98	75-114		200
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Surrogate: a,a,a-Trifluorotoluene	120			"	125		96	76-121		
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Qualifiers and Comments

F12 Single component, unidentified

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.